

Title (en)
CLEAR GLASS COMPOSITION

Title (de)
KLARE GLASZUSAMMENSETZUNG

Title (fr)
COMPOSITION DU VERRE CLAIR

Publication
EP 1480917 B1 20120801 (EN)

Application
EP 03710758 A 20030128

Priority
• US 0302388 W 20030128
• US 5605102 A 20020128

Abstract (en)
[origin: WO03064342A1] Glass is provided so as to have high visible transmission and/or fairly clear or neutral color. In certain example embodiments of making glass according to examples of the invention, the glass batch may include a base glass (e.g., sod lime silica base glass) and, in addition, by weight percentage: total iron (expressed as Fe_2O_3): 0.01 to 0.30%, erbium oxide (e.g., Er_2O_3): 0.01 to 0.30%, cerium oxide (e.g., CeO_2): 0.005 to 0.30%. Optionally, neodymium oxide (e.g., Nd_2O_3) may also be provided in the glass in certain example embodiments. In other embodiments, the cerium oxide may be replaced with or supplemented by NaNO_3 or some other nitrate(s) as an oxidizer.
[origin: WO03064342A1] Glass is provided so as to have high visible transmission and/or fairly clear or neutral color. In certain example embodiments of making glass according to examples of the invention, the glass batch may include a base glass e.g., sod lime silica base glass and, in addition, by weight percentage: total iron expressed as Fe_2O_3 : 0.01 to 0.30%, erbium oxide e.g., Er_2O_3 : 0.01 to 0.30%, cerium oxide e.g., CeO_2 : 0.005 to 0.30%. Optionally, neodymium oxide e.g., Nd_2O_3 may also be provided in the glass in certain example embodiments. In other embodiments, the cerium oxide may be replaced with or supplemented by NaNO_3 or some other nitrates as an oxidizer.

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CPC (source: EP US)
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